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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/709,919	06/05/2004	Takashi Yamada	SIMTEK6910	3918
25776	7590	12/12/2005	EXAMINER	
ERNEST A. BEUTLER, ATTORNEY AT LAW 10 RUE MARSEILLE NEWPORT BEACH, CA 92660			MAI, ANH T	
			ART UNIT	PAPER NUMBER
			2832	

DATE MAILED: 12/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/709,919

Applicant(s)

YAMADA ET AL.

Examiner

Anh T. Mai

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RM

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☒ Claim(s) 1-10 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 8/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claim 1-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Takano [6590310B2].

A rotating electric machine 31 having armature core 47 having cylindrical portion from which a plurality of circumferentially spaced teeth 49 extend in radial direction relative to axis of the rotation and defining slots 54 therebetween; an insulator 57 having plurality of circumferentially spaced extensions having at least three sides [60 of figure 2], two of said sides extend radially along the facing surfaces of the teeth, the remaining of said sides comprising interconnecting side extending between common peripheral ends of said two sides and adapted to be disposed at one end of the slot between the adjacent teeth [figures 2-4; c 5, lines 55-67 and c 6, lines 15-67]; the projected ends of said sides tapering from at least one peak of the maximum length of said sides in the axial direction for facilitating fitting of said insulator into the armature in the slot in an axial direction [see figure 2].

With respect to claim 2, figure 2 shows 9 insulator extensions and 9 slots of the armature.

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With respect to claim 3, a plurality of extensions are integrally connected to each other by fourth sides that extend along one axial face of the pole teeth as shown in figure 2.

With respect to claim 4, figure 2 shows 9 insulator extensions and 9 slots of the armature.

With respect to claim 5, at least one peak is formed at the point where one of the sides joins another of the sides [fig 2].

With respect to claim 6, the one side comprises one of the facing sides and the third side as shown in figure 2.

With respect to claim 7, there are a pair of insulators 57A,57B as defined therein with the first, second and third sides thereof engaged between the same adjacent pole teeth and slots [figures 6,8; co 6, lines 65-67].

With respect to claim 8, figure 2 shows 9 insulator extensions and 9 slots of the armature.

With respect to claim 9, the plurality of extensions of each insulator are integrally connected to each other by fourth sides that extend opposite axial faces of the pole teeth as shown in figures 2-3.

With respect to claim 10, the peaks of the insulators are circumferentially spaced from each other to minimize the amount of the pole teeth that is uncovered [figures 6-8].

Conclusion.

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Mizagawa et al. [5598046], Kusase et al. [2003/0102758], Yamamoto et al. [20040124733].

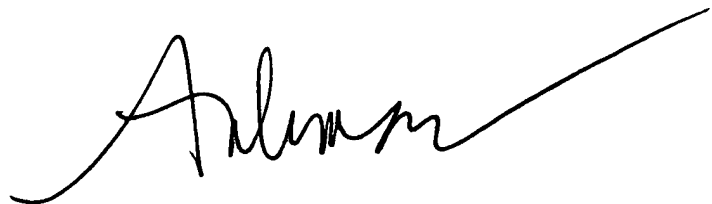
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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh T. Mai whose telephone number is 571-272-1995. The examiner can normally be reached on 5/4/9 Schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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120405

A handwritten signature in black ink, appearing to read 'Anh Mai', with a long, sweeping horizontal line extending to the right.

**ANH MAI
PRIMARY EXAMINER**